INTERNATIONAL SEARCH REPORT

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A. CLASSIFI IPC 7	CATION OF SUBJECT MATTER H01L29/423 H01L29/786 H01L21/336	H01L21/28		
According to I	international Patent Classification (IPC) or to both national classification	and IPC		
B. FIELDS S	EARCHED			
IPC 7	umentation searched (classification system followed by classification s $H01L$			
	on searched other than minimum documentation to the extent that such		rched	
Electronic da	da base consulted during the International search (name of data base	and, where practical, search terms used)		
EPO-Int	cernal, PAJ			
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		Relevant to claim No.	
Category °	Citation of document, with indication, where appropriate, of the relev	ant passages	Delevant to Cam 140.	
X	US 6 166 398 A (JUNG LETIEN ET AL 26 December 2000 (2000-12-26) figure 10	.)	1-10, 12-19	
Х	US 5 217 913 A (MITSUI KATSUYOSHI 8 June 1993 (1993-06-08) figures 13,14,17,18	ET AL)	1-10, 12-19	
Х	US 5 498 555 A (LIN JENPING) 12 March 1996 (1996-03-12) figure 4	·	1	
А	US 5 786 241 A (SHIMADA HIROYUKI) 28 July 1998 (1998-07-28) cited in the application figure 1C		5	
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Fu	rther documents are listed in the continuation of box C.	X Patent family members are listed	i in annex.	
° Special	categories of cited documents :	"T" later document published after the int	II III E ADDIICALIOI DAL	
E earlie	ment defining the general state of the art which is not sidered to be of particular relevance or document but published on or after the international of date	clied to understand the principle or timention "X" document of particular relevance; the cannot be considered novel or cannot	claimed invention	
"L" docur whit cited	ment which may throw doubts on priority claim(s) or this cited to establish the publication date of another tion or other special reason (as specified) ment referring to an oral disclosure, use, exhibition or	"Y" document of particular relevance; the cannot be considered to involve an	claimed invention inventive step when the	
othe	ar means ment published prior to the international filing date but r than the priority date claimed	document is combination being obvious to a person skilled in the art. 8 document member of the same patent family		
	ne actual completion of the international search	Date of mailing of the international s	earch report	
	28 January 2004	05/02/2004		
Name an	d mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer		
	NI - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Juh1, A		

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